UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No.

First Inventor

PREFERENTIAL ERACTORING OF
Title SOIL & MATERIAL IMPLANTATION

Express Mail Label No.

(Only for new nonprovisional applications under 37 CFR 1.53(b))

APPLICATIO	N ELEMENTS	Tank	22500 70	Assistant Commissi		
See MPEP chapter 600 concerning utility patent application contents.			DRESS TO:	Box Patent Applicate Washington, DC 20		
Fee Transmittal Form (e.g., PTO/SB/17)			7. CD-ROM or CD-R in duplicate, large table or			
(Submit an original and a duplicate for fee processing) Applicant claims small entity status.			Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission			
2. See 37 CFR 1.27.			(if applicable, all necessary) Computer Readable Form (CRF)			
3. Specification [Total Pages 23]		a.	a. Computer Readable Form (CRF)			
 Descriptive title of the invention Cross Reference to Related Applications 		b.	b. Specification Sequence Listing on:			
 Statement Regarding Fed sponsored R & D 			i. CD-ROM or CD-R (2 copies); or ii. paper			
 Reference to sequence listing, a table, or a computer program listing appendix 			ii paper		8	
 Background of the Invention Brief Summary of the Invention 			c. Statements verifying identity of above copies			
Brief Description of the Drawings (if filed) Detailed Description			ACCOMPANYING APPLICATION PARTS 9. Assignment Papers (cover sheet & document(s))			
- Claim(s)		9.	Assignment P	• •	a document(s)) Power of	
- Abstract of the Disc	losure	10.	,	s an assignee)	Attorney	
4. Drawing(s) (35 U.S.C	. 113) [Total Sheets	5 11.	~	slation Document (if a	• • •	
5. Oath or Declaration	[Total Pages 2	8 1 12.	Information D	isclosure OS)/PTO-1449	Copies of IDS Citations	
a. Newly executed (original or copy)		13.	Preliminary A	•		
b. Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 18 completed))) ted) 14.	14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)			
i. DELETION OF INVENTOR(S)		15.	Cortified Conv. of Priority Document(s)			
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR		16	16 Nonpublication Request under 35 U.S.C. 122			
1.63(d)(2) and 1.33(b).			(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.			
6. Application Data Sheet. See 37 CFR 1.76		17.	Other:			
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendme					inary amendment,	
or in an Application Data Sheet under 37 CFR 1.76:						
A DEALLES 7/7/						
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under						
Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.						
19. CORRESPONDENCE ADDRESS						
Customer Number or Bar Code Label (Insert Customer No: or Attach bar code label here) or Correspondence address below						
Name	DAVID R. M	NUHLBI	ALER			
			\sim			
Address d	WHITEM	ARSH	UR			
City	41KEN	State	50	Zip Code	29803	
Country	USA	Telephone	803-648-	8246 Fax		
Name (Print/Type) DAVID R. MUKLAALS Registration No. (Attorney/Agent)						
- (Filling Type)	100	7	istiation No. (Att	Jineyingeni)	1.50	

Signature

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PTO/SB/17 (05-03)
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FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27 TOTAL AMOUNT OF PAYMENT (\$)

Complete if Known					
Application Number					
Filing Date	JULY 16, 2003				
First Named Inventor	DAVID R MUHLBAIER				
Examiner Name	A. PECHHOLD				
Art Unit	3671				
Attorney Docket No.					

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)			
Check Credit card Money Other None	3. ADDITIONAL FEES			
Deposit Account:	Large Entity Small Entity			
Deposit	Fee Fee Fee Fee Fee Fee Description Code (\$) Code (\$)	Paid_		
Account Number	1051 130 2051 65 Surcharge - late filing fee or oath	<u>raiu</u>		
Deposit	1052 50 2052 25 Surcharge - late provisional filing fee or			
Account Name	cover sheet			
The Director is authorized to: (check all that apply)	1053 130 1053 130 Non-English specification			
Charge fee(s) indicated below Credit any overpayments	1812 2,520 1812 2,520 For filing a request for ex parte reexamination	\dashv		
Charge any additional fee(s) during the pendency of this application	1804 920* 1804 920* Requesting publication of SIR prior to Examiner action			
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805 1,840* 1805 1,840* Requesting publication of SIR after Examiner action			
	1251 110 2251 55 Extension for reply within first month	}		
FEE CALCULATION	1252 410 2252 205 Extension for reply within second month			
1. BASIC FILING FEE Large Entity Small Entity	1253 930 2253 465 Extension for reply within third month			
Fee Fee Fee Fee Description Fee Paid	1254 1,450 2254 725 Extension for reply within fourth month			
Code (\$) Code (\$) 1001 750 2001 375 Utility filing fee	1255 1,970 2255 985 Extension for reply within fifth month			
1002 330 2002 165 Design filing fee	1401 320 2401 160 Notice of Appeal			
1003 520 2003 260 Plant filing fee	1402 320 2402 160 Filing a brief in support of an appeal			
1004 750 2004 375 Reissue filing fee	1403 280 2403 140 Request for oral hearing			
1005 160 2005 80 Provisional filing fee	1451 1,510 1451 1,510 Petition to institute a public use proceeding			
SUBTOTAL (1) (\$) 375	1452 110 2452 55 Petition to revive - unavoidable	—		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1453 1,300 2453 650 Petition to revive - unintentional	\dashv		
Fee from	1501 1,300 2501 650 Utility issue fee (or reissue)			
Total Claims Z -20** = X				
Independent 2**	1503 630 2503 315 Plant issue fee	-		
Claims - 3 - 2	1460 130 1460 130 Petitions to the Commissioner			
Large Entity Small Entity	1807 50 1807 50 Processing fee under 37 CFR 1.17(q)			
Fee Fee Fee Fee Description	1806 180 1806 180 Submission of Information Disclosure Stmt 8021 40 8021 40 Recording each patent assignment per			
Code (\$) Code (\$) 1202 18 2202 9 Claims in excess of 20	8021 40 8021 40 property (times number of properties)			
1201 84 2201 42 Independent claims in excess of 3	1809 750 2809 375 Filing a submission after final rejection (37 CFR 1.129(a))			
1203 280 2203 140 Multiple dependent claim, if not paid	1810 750 2810 375 For each additional invention to be examined (37 CFR 1.129(b))			
1204 84 2204 42 ** Reissue independent claims over original patent	1801 750 2801 375 Request for Continued Examination (RCE)	$\neg \neg$		
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802 900 1802 900 Request for expedited examination of a design application	_		
	Other fee (specify)			
SUBTOTAL (2) (\$) Ø **or number previously paid, if greater; For Reissues, see above	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)			

(Complete (if applicable) SUBMITTED BY Registration No. DAVID R. MUHLBAGE Name (Print/Type) Telephone Signature

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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